Don't wife sin (arcosx)

Sin (arccosx) = sin b =
$$\sqrt{1-x^2}$$
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 $\sqrt{1-x^2}$

$$V = \int_{0}^{2\pi} \pi^{2} dx = \int_{0}^{2\pi} |y|^{2} dx$$

$$= \int_{0}^{2\pi} |\sin x|^{2} dx$$

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$$= \int_{0}^{2\pi} |\cos^{2} x dx| = \pi \int_{0}^{2\pi} |\cos^{2} x dx|$$

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$$\frac{\Gamma}{2}(2\pi) - \frac{\pi}{2}\left(\frac{1}{2}\sin 2x\right)_{0}^{2\pi}$$

$$\frac{1}{\pi^{2}} - \frac{\pi}{4}\left(\sin 4\pi - \sin 0\right) = \pi^{2} - 6$$

$$= \pi^{2}$$

$$\cos^2 x = \frac{1 + \cos 2x}{2}$$

$$\int x^{12} e^{x} dx = x^{12} e^{x} - 12 \int x'' e^{x} dx$$

$$n = x^{2} dx = (2x'')$$

$$dv = e^{x} A + v = e^{x}$$

$$x^{12}e^{x} - 12 \left[x^{"}e^{x} - 11 \left[x^{"}e^{x} - 10 \cdot \left[x^{"}e^{x} - 9 \left[x^{8}e^{x} - 8 \left[x^{7}e^{x} - 7 \left[x^{8}e^{x} - 11 \left[x^{8}e^{x}$$

Su lectre 13